

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2	"200161351"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:22
S3	2	"20050239215"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:27
S4	2	((("5348633") or ("5630924"))).PN.	USPAT; USOCR	OR	OFF	2006/03/21 14:32
S5	3	"20020142323" "20020037542"	US-PGPUB; USPAT	OR	ON	2006/03/21 14:39
S9	131854	electrophore\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:44
S8	61844	S6 same S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:44
S11	215571	S6.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:45
S10	33157	S9 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:45
S12	226	S11 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:48
S13	2463	modif\$4 with S6 with S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 14:49

## EAST Search History

S14	172	S9 same S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:00
S16	3097	aptamer same protein	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:01
S15	5003	aptamer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:01
S17	413101	gold latex	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:02
S18	7	amino\$5 near\$5 azide\$3benzamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:06
S19	7	amino\$5 with azide\$3benzamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:07
S23	77	di\$2octadecyl\$2amino	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:08
S22	0	tri\$2ethyl\$3ammonium\$7 same di\$2octadecyl\$2amino	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:08
S21	0	tri\$2ethyl\$3ammonium\$7 with di\$2octadecyl\$2amino	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:08
S20	28700	tri\$2ethyl\$3ammonium\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:08

## EAST Search History

S24	0	di\$2octadecyl\$2amino with pyridinium\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:13
S27	11	S26 with molecular adj2 probe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:21
S26	125	cascade near3 blue near3 derivative	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:21
S28	326	cascade near3 blue and formula	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:29
S25	852	cascade near3 blue	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:29
S29	5	S28 and (molecular).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:30
S30	2	S25 and (molecular with probes).as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:31
S31	0	S25 same azide\$2benzamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:42
S33	590017	blood near3 cell lymphocyte platelet bacteri\$3 virus fung\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:43
S32	1198	S16 and S17 and S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:43

## EAST Search History

S36	104	S35 and S32	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:45
S35	19058	S33 same S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 15:45
S37	7	("5348633").URPN.	USPAT	OR	ON	2006/03/21 16:04
S38	39667	S34 with cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 16:10
S34	509830	(detect\$3 measur\$3 determin\$3) with (separat\$3 purif\$3 isolat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 16:10
S39	8929	S38 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 16:11
S40	522	S39 and S17 same fluorescen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 16:16
S41	4918	(204/600-650).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/21 16:17
S42	55400	(435/4-7.25,7.31-7.37).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/21 16:19
S6	1832857	charg\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 16:19

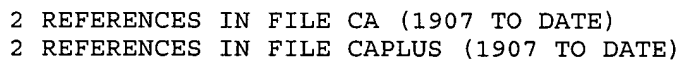
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S43	107	S41 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 16:20
S45	0	FM3 near3 S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 17:17
S44	12	S43 and S7 and (S17 same fluorescen\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 17:17
S46	327	fluorescein with charge\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 17:44
S50	32	S47 same S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 17:45
S49	162	S48 with aptamer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 17:45
S48	12956728	benefit advantag\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 17:45
S47	2820	aptamer with nucleic with acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 17:45
S1	28	"0161351"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 18:13
S51	4	((("6432632") or ("6300480") or ("6307029") or ("6448018"))).PN.	USPAT; USOCR	OR	OFF	2006/03/21 18:16

## EAST Search History

S7	747503	protein antibod\$3 nucleic near3 acid DNA aptamer peptide ligand antigen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 18:16
S52	22	cascade near3 blue same azide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 18:18
S53	7	azide\$5benzamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/21 18:34
S56	1	("7011955").PN.	USPAT; USOCR	OR	OFF	2006/03/21 18:36

●<sub>3</sub> Na



=> s e1-e3

1 137637-24-2/BI  
(137637-24-2/RN)

1 727720-46-9/BI  
(727720-46-9/RN)

1 7440-57-5/BI  
(7440-57-5/RN)

L2 3 (137637-24-2/BI OR 727720-46-9/BI OR 7440-57-5/BI



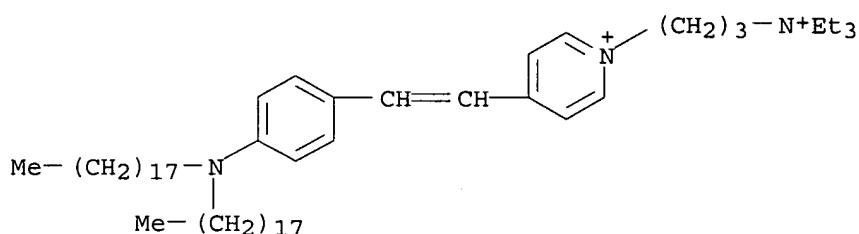
L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 727720-46-9 REGISTRY  
 ED Entered STN: 17 Aug 2004  
 CN Pyridinium, 4-[2-[4-(dioctadecylamino)phenyl]ethenyl]-1-[3-(triethylammonio)propyl]-, salt with 4-chlorobenzenesulfonic acid (1:2)  
 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN FM  
 MF C58 H105 N3 . 2 C6 H4 Cl O3 S  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER

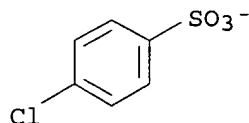
CM 1

CRN 727720-45-8  
 CMF C58 H105 N3



CM 2

CRN 45934-90-5  
 CMF C6 H4 Cl O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL BIOSIS, CAPLUS, BIOTECHNO  
 COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
3.49	37.46

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
0.00	-0.75

CA SUBSCRIBER PRICE

FILE 'BIOSIS' ENTERED AT 19:33:38 ON 21 MAR 2006  
 Copyright (c) 2006 The Thomson Corporation

FILE 'CAPLUS' ENTERED AT 19:33:38 ON 21 MAR 2006  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOTECHNO' ENTERED AT 19:33:38 ON 21 MAR 2006  
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=> s l5

L10 1 L5

=> dis his

(FILE 'HOME' ENTERED AT 19:24:17 ON 21 MAR 2006)

FILE 'HCAPLUS' ENTERED AT 19:24:43 ON 21 MAR 2006

L1 1 S WO200463752/PN  
SEL RN

L2 2 S E1-E2

L3 159768 S E1-E3

L4 2 S E1

L5 1 S E2

L6 159767 S E3

FILE 'REGISTRY' ENTERED AT 19:27:17 ON 21 MAR 2006

L7 1 S 137637-24-2/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'HCAPLUS' ENTERED AT 19:28:08 ON 21 MAR 2006

FILE 'REGISTRY' ENTERED AT 19:28:17 ON 21 MAR 2006  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'HCAPLUS' ENTERED AT 19:30:56 ON 21 MAR 2006

FILE 'REGISTRY' ENTERED AT 19:31:49 ON 21 MAR 2006

L8 1 S 7440-57-5/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 19:32:54 ON 21 MAR 2006

L9 1 S 727720-46-9/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'BIOSIS, CAPLUS, BIOTECHNO' ENTERED AT 19:33:38 ON 21 MAR 2006

L10 1 S L5

=> s l9

L11 1 L9

=> dis l11 ibib

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:610208 CAPLUS

DOCUMENT NUMBER: 141:136694

TITLE: Composition containing microparticle surface charge control agent, and microparticle-separating method/apparatus using composition

INVENTOR(S): Nakayama, Hiroshi

PATENT ASSIGNEE(S): Matsushita Electric Industrial Co., Ltd., Japan

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004063752	A1	20040729	WO 2004-JP67	20040108
W:	AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ			
EP 1582871	A1	20051005	EP 2004-700767	20040108
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
PRIORITY APPLN. INFO.:			JP 2003-3941	A 20030110
			WO 2004-JP67	W 20040108

=> dis his

(FILE 'HOME' ENTERED AT 18:22:40 ON 21 MAR 2006)

FILE 'CAPLUS' ENTERED AT 18:23:10 ON 21 MAR 2006

FILE 'STNGUIDE' ENTERED AT 18:23:46 ON 21 MAR 2006

FILE 'CAPLUS' ENTERED AT 18:23:56 ON 21 MAR 2006

L1           1 S WO200463752/PN  
            SEL RN

FILE 'REGISTRY' ENTERED AT 18:24:38 ON 21 MAR 2006

L2           3 S E1-E3

FILE 'BIOSIS, CAPLUS, BIOTECHNO' ENTERED AT 18:25:09 ON 21 MAR 2006

L3           167923 S L2

L4           737334 S FLUORESCEN?

L5           900 S L4 (P) L3

L6           62 S L5 AND ANTIBOD?

L7           61 DUP REM L6 (1 DUPLICATE REMOVED)

FILE 'REGISTRY' ENTERED AT 18:29:03 ON 21 MAR 2006

L8           1 S 727720-46-9/RN  
            SET NOTICE 1 DISPLAY  
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FILE 'CAPLUS, BIOTECHNO' ENTERED AT 18:30:26 ON 21 MAR 2006

FILE 'REGISTRY' ENTERED AT 18:30:27 ON 21 MAR 2006

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            SET NOTICE LOGIN DISPLAY  
            SET NOTICE 1 DISPLAY  
            SET NOTICE LOGIN DISPLAY

FILE 'CAPLUS, BIOTECHNO' ENTERED AT 18:32:41 ON 21 MAR 2006

FILE 'REGISTRY' ENTERED AT 18:32:49 ON 21 MAR 2006

FILE 'STNGUIDE' ENTERED AT 18:36:44 ON 21 MAR 2006

FILE 'CAPLUS, BIOTECHNO' ENTERED AT 18:39:10 ON 21 MAR 2006

FILE 'STNGUIDE' ENTERED AT 18:39:11 ON 21 MAR 2006

FILE 'BIOSIS, CAPLUS, BIOTECHNO' ENTERED AT 18:42:26 ON 21 MAR 2006

L9           828 S L2 (P) ANTIBOD?

L10          30 S L9 (P) (L4 OR FLUORO?)

L11          30 DUP REM L10 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 18:47:35 ON 21 MAR 2006

FILE 'REGISTRY' ENTERED AT 18:48:48 ON 21 MAR 2006

            SET NOTICE 1 DISPLAY  
            SET NOTICE LOGIN DISPLAY

FILE 'CAPLUS' ENTERED AT 18:49:48 ON 21 MAR 2006

FILE 'REGISTRY' ENTERED AT 18:49:49 ON 21 MAR 2006

            SET NOTICE 1 DISPLAY  
            SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 19:04:56 ON 21 MAR 2006

FILE 'REGISTRY' ENTERED AT 19:05:41 ON 21 MAR 2006  
L12 1 S 45934-90-5/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 19:08:42 ON 21 MAR 2006  
L13 1 S 137637-24-2/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'CAPLUS' ENTERED AT 19:09:06 ON 21 MAR 2006  
L14 2 S L13

FILE 'BIOSIS, CAPLUS, BIOTECHNO' ENTERED AT 19:09:55 ON 21 MAR 2006  
L15 2 S L13

FILE 'STNGUIDE' ENTERED AT 19:10:11 ON 21 MAR 2006

FILE 'BIOSIS, CAPLUS, BIOTECHNO' ENTERED AT 19:17:50 ON 21 MAR 2006  
L16 2 S L13

=> dis l16 ibib 1-2

L16 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:610208 CAPLUS  
DOCUMENT NUMBER: 141:136694  
TITLE: Composition containing microparticle surface charge  
control agent, and microparticle-separating  
method/apparatus using composition  
INVENTOR(S): Nakayama, Hiroshi  
PATENT ASSIGNEE(S): Matsushita Electric Industrial Co., Ltd., Japan  
SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004063752	A1	20040729	WO 2004-JP67	20040108
W:	AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ			
EP 1582871	A1	20051005	EP 2004-700767	20040108
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
PRIORITY APPLN. INFO.:			JP 2003-3941	A 20030110
			WO 2004-JP67	W 20040108

L16 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1991:674485 CAPLUS  
DOCUMENT NUMBER: 115:274485  
TITLE: Covalent labeling of the cytoplasmic or luminal  
domains of the sarcoplasmic reticulum calcium-ATPase  
with fluorescent azido dyes  
AUTHOR(S): Molnar, Elek; Varga, Sandor; Jona, Istvan; Martonosi,  
Anthony  
CORPORATE SOURCE: Health Sci. Cent., State Univ. New York, Syracuse, NY,  
13210, USA

SOURCE: Biochimica et Biophysica Acta, Biomembranes (1991),  
1068(1), 27-40  
CODEN: BBBMBS; ISSN: 0005-2736  
DOCUMENT TYPE: Journal  
LANGUAGE: English